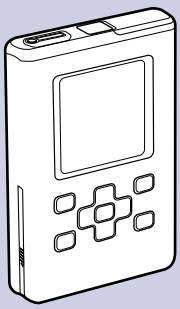
SONY

Portable Hard Disk Audio Player

Network Walkman

Operating Instructions



WALKMAN

Atrac3plus

MP3

NW-HD5/NW-HD5H

"WALKMAN" is a registered trademark of Sony Corporation to represent Headphone Stereo products. WALKMAN is a trademark of Sony Corporation.

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Owner's Record

The model and serial numbers are located on the bottom of the player. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.
Model No. NW-HD5
Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

For the customers in the USA

INFORMATION:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.

Continued ⇩

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

If you have any questions about this product:

Visit: www.sony.com/walkmansupport

Contact:
Sony Customer Information Service Center at 1-(866)-456-7669

Write:
Sony Customer Information Services Center
12451 Gateway Blvd.,
Fort Myers, FL 33913

Model NW-HD5 only

Declaration of Conformity

Trade Name:	SONY
Model No.:	NW-HD5
Responsible Party:	Sony Electronics Inc.
Address:	16450 W. Bernardo Dr, San Diego, CA 92127 USA
Telephone Number:	858-942-2230

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Continued ⇩

For the customers in the USA and Canada

RECYCLING LITHIUM-ION BATTERIES

Lithium-ion batteries are recyclable.
You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit **http://www.rbrc.org/**.

Caution: Do not handle damaged or leaking Lithium-ion batteries.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.
Applicable accessories: Headphones

For the customers in Russia

Для покупателей в России

Этот знак относится только к адаптеру переменного тока.

Портативный плеер со встроенным жёстким диском

Произведено в Малайзии

Изготовитель: Сони Корпорейшн
Адрес: 6-7-35 Киташинагава, Шинагава-ку,
Токио 141-0001, Япония

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Notice for Users

On the supplied software

- Copyright laws prohibit reproducing the software or the manual accompanying it in whole or in part, or renting the software without the permission of the copyright holder.
- In no event will SONY be liable for any financial damage, or loss of profits, including claims made by third parties, arising out of the use of the software supplied with this player.
- In the event a problem occurs with this software as a result of defective manufacturing, SONY will replace it. However, SONY bears no other responsibility.
- The software provided with this player cannot be used with equipment other than that which is so designated.
- Please note that, due to continued efforts to improve quality, the software specifications may be changed without notice.
- Operation of this player with software other than that provided is not covered by the warranty.
- The ability to display the languages on your SonicStage will depend on the installed OS on your PC. For better results, please ensure that the installed OS is compatible with the desired language you want to display.
 - We do not guarantee all the languages will be able to be displayed properly on your SonicStage.
 - User-created characters and some special characters may not be displayed.
- Depending on the type of the text and characters, the text shown on SonicStage may not be displayed properly on device. This is due to:
 - The capability of the connected player.
 - The player is not functioning normally.
- The explanations in this manual assume that you are familiar with the basic operations of Windows.

 For details on the use of your computer and operating system, please refer to the respective manuals.

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Documentation ©2005 Sony Corporation

Continued ⇩

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Thank you for purchasing this Sony product.
The Network Walkman is pre-installed with sample audio data so that you can try it out right away. The pre-installed sample audio data is for the purpose of trial listening only, therefore, you cannot transfer it to you computer. To delete this audio data, delete it using SonicStage3.1. Depending on your region, sample audio data may not be pre-installed in the player.

Precautions

On safety

- Do not put any foreign objects in the DC IN jack of the player.
- Be sure not to short-circuit the terminals of the player with other metallic objects.

On installation

- Never use the player where it will be subjected to extremes of light, temperature, moisture or vibration.
- Never wrap the player in anything when it is being used with the AC power adaptor. Heat build-up in the player may cause malfunction or damage.

On heat build-up

Heat may build up in the player while charging if it is used for an extended period of time.

On the headphones

Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play at a high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

Avoid using the headphones at a high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Warning

If there is lightning when you are using the player, take off the headphones immediately.

Continued ⇩

On cleaning

- Clean the player casing with a soft cloth slightly moistened with water or a mild detergent solution.
- Clean the headphone plug periodically.

Notes

- Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene as it may mar the finish of the casing.
- Be careful not to let water into the player from the opening near the connector.

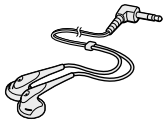
If you have any questions or problems concerning the player, consult your nearest Sony dealer.

NOTES

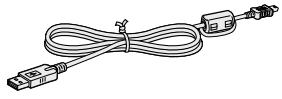
- The recorded music is limited to private use only. Use of the music beyond this limit requires permission of the copyright holders.
- Sony is not responsible for incomplete recording/downloading or damaged data due to problems of the player or computer.

Checking the Supplied Accessories

- Headphones (1)



- Dedicated USB cable (1)



- AC power adaptor (1)
- Carrying case (1)
- CD-ROM (1)*
 (SonicStage software, PDF of Operating Instructions)
- Quick Start Guide (1)

* Do not play this CD-ROM on an audio CD player.
(The rechargeable battery has been installed in the player beforehand).

For customers in the US

The AC power adaptor supplied with this unit is not intended to be serviced. Should the AC power adaptor cease to function in its intended manner during the warranty period, the adaptor should be returned to your nearest Sony Service Center or Sony Authorized Repair Center for replacement, or if a problem occurs after the warranty period has expired, the adaptor should be discarded.

Notes

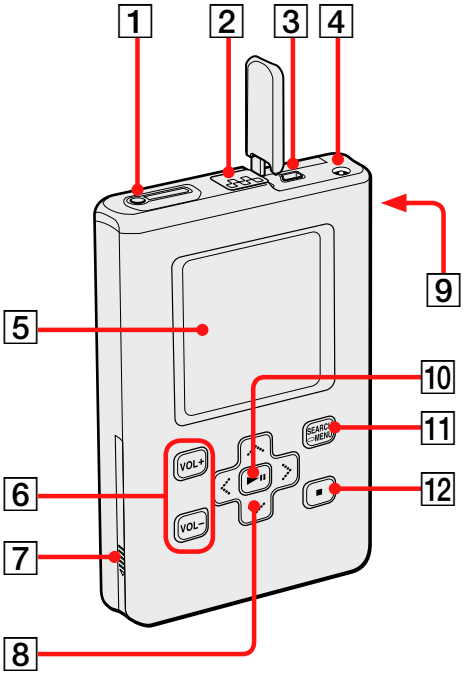
When using this unit, remember to follow the precautions below in order to avoid warping the cabinet or causing the unit to malfunction.

– Make sure not to sit down with the unit in your back pocket.



– Make sure not to put the unit into a bag with the headphones/earphones cord wrapped around it and then subject the bag to strong impact.

Guide to Parts and Controls



1 ∩ (headphones)/LINE OUT jack (☞ page 29)
2 HOLD switch (☞ page 31)
3 USB connector (☞ page 24)
4 DC IN jack (☞ page 13, 24)
5 Player display (☞ page 32)
6 VOL +*/VOL – (volume) buttons (☞ page 30)
7 Battery compartment lid (☞ page 14)
8 ⏮/⏭/ ◀ / ▶ buttons (☞ page 29)
9 Hole for hand strap**
10 ▶II (play/pause) button (☞ page 31)
11 SEARCH/MENU button (☞ page 33)
12 ■ (stop) button (☞ page 31)

* Use the tactile dot as a reference when operating the player.
** You can attach your own hand strap.

About the serial number

The serial number provided for this player is required for the customer registration. The number is on a label on the bottom of the player. Do not remove the label.

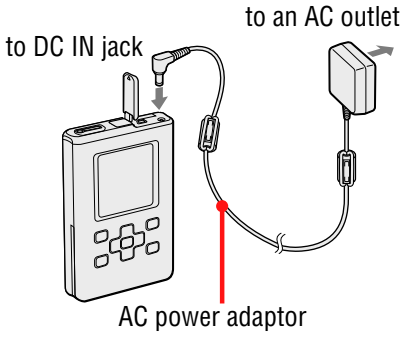
Preparing a Power Source

Charge the rechargeable lithium-ion battery before using it for the first time or when it is depleted.

Connect the AC power adaptor to the DC IN jack.

Connect the AC power adaptor first, then connect it to an AC outlet.

The battery indicator in the display changes to “Charging,” and charging of the battery starts.
Charging is completed in approximately 3 hours*, and then “Charged” and ⚡ light up.
The battery will be charged about 80 % in approximately 1.5 hour*.



* This is the approximate charging time for an empty battery charged under room temperature. The charging time will differ depending on the remaining power and battery condition. If the battery is charged in a low-temperature environment, the charging time will be longer.

Charging the battery using a USB connection

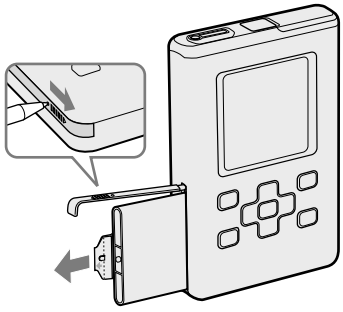
Turn on your computer and connect the USB cable to your computer (☞ page 24). The battery indicator changes in the display and charging of the battery starts. It takes approximately 6 hours* to charge. When the player is connected to the AC power adaptor, the power is supplied from the AC power adaptor. However, the charging time gets longer.
If the computer enters the system suspend, sleep, or hibernation mode when the player is connected to the computer via the USB cable, without an AC power adaptor, the battery discharges without being charged.

* When the battery wears down, the charging time gets longer.
The battery charging indication appears on the screen only when you operate the player while charging. If the battery charging indication does not appear, charge the battery using the AC power adaptor.

Continued ⇩

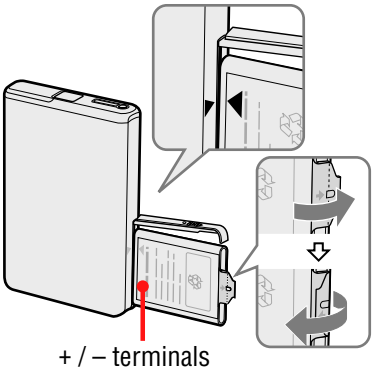
To remove the battery

Insert a thin, pointed tool, such as the point of a mechanical pencil, into the hole of the battery compartment lid and slide the lid in the direction of the "▷" mark to open it. Then pull the label on the battery out in the direction of the arrow to remove the battery. The power does not turns on if you remove the battery from the player even when the player is connected to an AC power adaptor.



To insert the battery

Open the battery compartment lid, and then insert the battery by matching the "▶" mark on the side of the player to the one on the battery. After folding the label into the battery compartment lid, close the lid.



Notes

- When charging the battery using a USB connection, if your computer's power supply is insufficient, the charging time will be longer.
- When charging the battery using a USB connection, the charging will stop depending on your system environment.
- If the player is connected to the computer for a long time while charging, charging may stop to prevent the temperature of the player from increasing too much. Remove the USB cable from the player and start charging again after a while.
- If the player will not be used for three months or more, remove the battery from the player.
- Charge the battery in an ambient temperature of between 5 to 35ºC (41 to 95ºF).

Continued ⇩

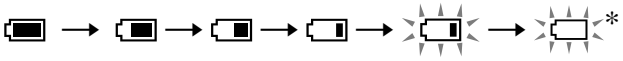
Notes on the AC power adaptor



- Use only the AC power adaptor supplied with the player. Do not use any other AC power adaptor since this may cause the player to malfunction.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the power supply. To remove the AC power adaptor from the wall outlet, grasp the adaptor plug itself; never pull the cord.

Checking the remaining power of the battery

The remaining power of the battery is indicated in the display. As the black indicator section decreases, the remaining power is depleted further.



* “LOW BATTERY” appears in the display and beep sounds.

When the battery is depleted, recharge the battery.

Notes

- The display shows the approximate battery power remaining. For example, one section does not always indicate one-fourth of the battery power.
- Depending on the operating conditions and environment, the display may increase or decrease relative to the actual power remaining.
- The player turns off if you remove the battery, even when the player is connected to the AC power adaptor.

Battery life (continuous use)

Playing time for ATRAC3plus 48 kbps is approximately 40 hours. Playing time for MP3 128 kbps is approximately 30 hours.
The amount varies depending on how the player is used.

Installing SonicStage on Your Computer

Using the supplied CD-ROM, install the SonicStage on your computer.

Preparing the required system

The following system environment is required.

Computer	IBM PC/AT or Compatible
	• CPU: Pentium III 450 MHz or higher • Hard disk drive space: 200 MB or more (1.5 GB or more is recommended.) (The amount of space will vary according to the Windows version and the number of music files stored on the hard disk.) • RAM: 128 MB or more
	Others • CD drive (capable of digital playback by WDM) (CD-R/RW drive is necessary for CD writing.) • Sound Board • USB port
Operating System	Factory installed: Windows XP Media Center Edition 2005/ Windows XP Media Center Edition 2004/ Windows XP Media Center Edition/ Windows XP Professional/Windows XP Home Edition/ Windows 2000 Professional (Service Pack 3 or later)/ Windows Millennium Edition/Windows 98 Second Edition
Display	High Color (16 bit) or higher, 800 × 600 dots or better (1024 × 768 dots or better is recommended.)
Others	• Internet access: for Web registration, EMD services and CDDB • Windows Media Player (version 7.0 or higher) installed for playing WMA files

Continued ⇩

Notes

- SonicStage is not supported by the following environments:
 - OSs other than the indicated on page 16.
 - Personally constructed PCs or operating systems
 - An environment that is an upgrade of the original manufacturer-installed operating system
 - Multi-boot environment
 - Multi-monitor environment
 - Macintosh
- We do not guarantee trouble-free operation on all computers that satisfy the system requirement.
- The NTFS format of Windows XP/Windows 2000 Professional can be used only with the standard (factory) settings.
- We do not guarantee trouble-free operation of the system suspend, sleep, or hibernation function on the computers.

Installing SonicStage

Read the following before installing the SonicStage software.

- Make sure to close all other software, including any virus-check software.
- Make sure to use the supplied CD-ROM for installing SonicStage.
 - If OpenMG Jukebox or SonicStage has been installed, the existing software will be overwritten by the new version with the new functions.
 - If SonicStage Premium, SonicStage Simple Burner, or MD Simple Burner has been installed, the existing software will co-exist with SonicStage.
 - You will still be able to use audio data registered by the existing software. As a precaution, we recommend that you back up your audio data. To back up the data, refer to “Backing Up My Library” on SonicStage Help. The method for managing music data differs in part from conventional methods. For details, refer to “For Users of Earlier Versions of SonicStage” in SonicStage Help.
- If the player is connected to a computer via the dedicated USB cable, disconnect the USB cable from the player, and then install the supplied CD-ROM on the computer.

Continued ⇩

1 Close all other running software.

Check the following to see whether or not there are any applicable items before installing the SonicStage software as they may cause the software installation to fail.

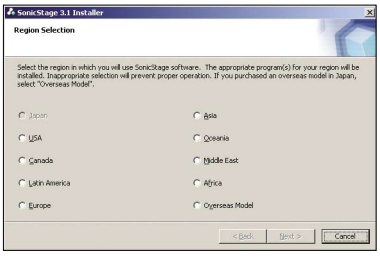
- You are not logged on as an “Administrator” (when using Windows 2000/Windows XP).
- Virus-check software is running. (Such software usually demands a large amount of system resources.)

2 Insert the supplied CD-ROM into the CD drive of your computer.

The setup program starts up automatically and the installation window appears.

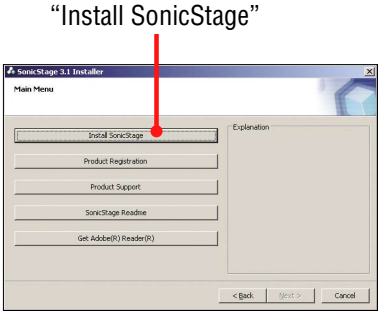
3 When the window on the right appears, click the region in which you will use SonicStage software.

If no window appears, proceed to step 4.



4 Click “Install SonicStage,” and then follow the displayed instructions.

Read the instructions carefully. Depending on your region, the buttons other than “Install SonicStage” may differ from those in the illustration on the right.

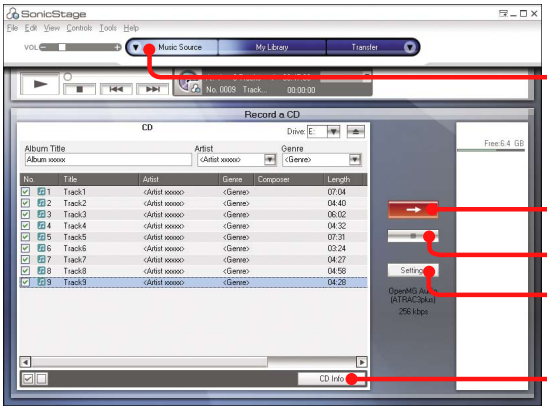


The installation may take 20 to 30 minutes, depending on your system environment. Make sure to restart your computer only after the installation is completed.

If any trouble occurs during the installation, see “Troubleshooting” (☞ page 68).

Importing Audio Data to Your Computer

Record and store tracks (audio data) from an audio CD to the SonicStage "My Library" on the hard disk drive of your computer.
If you want to obtain CD information (artist name, track titles, etc.) automatically, connect your computer to the Internet beforehand.
You can record or import tracks from other sources such as the Internet and your computer's hard disk (MP3 files).
Refer to SonicStage Help for details (☞ page 73).



1 Double-click (SonicStage) on the desktop. Alternatively, select "Start" – "All Programs"* – "SonicStage" – "SonicStage."

SonicStage starts up.
If you use the earlier version of SonicStage, the "SonicStage file conversion tool"** window appears when you start up SonicStage for the first time after installing it. Follow the instructions in the window.

* "Programs" in the case of Windows Millennium Edition/Windows 2000 Professional/Windows 98 Second Edition

** This tool converts the audio files that were imported to your computer with SonicStage2.0 or a prior version into the optimum data format (OpenMG) for this player, in order to transfer audio data to the player at high speed.



Continued ⇩

2 Insert the audio CD that you want to record into the CD drive of your computer.

3 Point to ▼ of "▼ Music Source," and select "Import a CD" from the menu.

The contents of the audio CD appear in the music source list.
If the CD information (☞ page 21), such as album name, artist's name, and track titles could not be obtained automatically, connect your computer to the Internet and click "CD Info" on the right side of the window to obtain it from CDDB.

4 Click →.

The recording of the selected tracks starts.
If you do not want to record some tracks, click the track number to uncheck ☑ on the SonicStage window before you click →.

To change the format and bit rate (☞ page 21) for audio CD recording

Click "Settings" on the right side of the SonicStage window to display "CD Importing Format [My library]" dialog box before clicking → in step 4.
The default setting is OpenMG Audio (ATRAC3plus) for format and 64 kbps for bit rate.

To stop recording

Click ■ on the SonicStage window.

Note

Only audio CDs with a mark can be used with SonicStage. We do not guarantee normal operation in the case of the copy-controlled CDs.

Continued ⇩

What is CD information?

CD information refers to information about audio CDs, such as an album name, an artist's name, track titles, etc. Using SonicStage, you can obtain CD information for free from the Gracenote CDDB (Gracenote Compact Disc DataBase) service automatically via the Internet when you insert the audio CD into the CD drive of your computer.
Note that you cannot obtain CD information of CDs that are not registered with CDDB.

What is ATRAC3/ATRAC3plus?

ATRAC3 (Adaptive Transform Acoustic Coding3) is an audio compression technology that satisfies the demand for high sound quality and high compression rates. ATRAC3plus is a more advanced version of ATRAC3, and it can compress audio files to about 1/20 of their original size at 64 kbps.

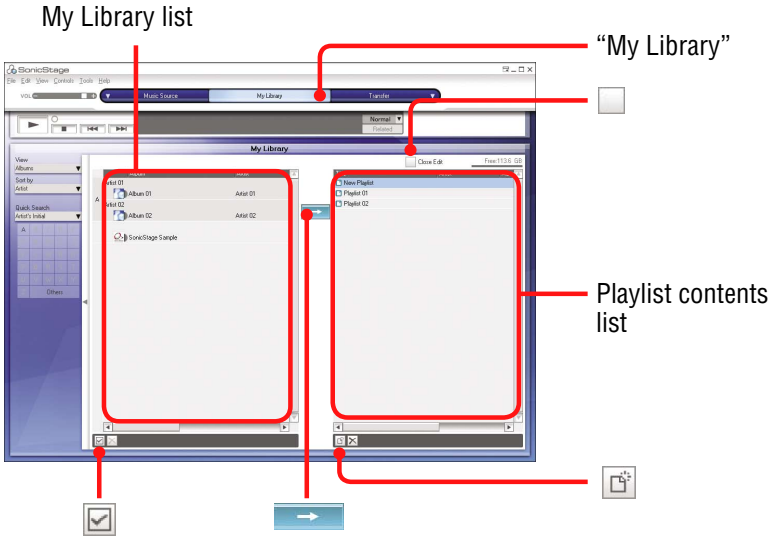
What is format and bit rate?

Format refers to the recording format, such as WAV or ATRAC3plus.
Bit rate refers to the amount of data processed per second. The larger bit rates provide, better sound quality. However, the larger bit rates require more capacity to store the data.
The default setting is OpenMG Audio (ATRAC3plus) for format and 64 kbps for bit rate.
To change the format and bit rate, click "Settings" on the right side of the SonicStage window.

Managing Tracks Using SonicStage

You can manage or edit tracks on the “My Library” screen in SonicStage. You can also group your favorite tracks or tracks by theme to create playlists, and manage them as an album.
Refer to SonicStage Help for details on SonicStage (☞ page 73).

My Library screen



Editing a playlist

A playlist enables you to group and play back your favourite tracks or tracks that are sorted by a certain theme, such as movie, etc.

1 Click “My Library.”
The screen switches to the My Library screen.

2 Click ☐ (Create/Edit Playlist).
The Main Window switches to the Create/Edit Playlist screen.

3 Select tracks from the contents list on the left.
To select multiple tracks, click the tracks while holding the “Ctrl” key down.
To select all the tracks in the contents list, click ☑ (Select All).

Continued ⇩

4 Select the playlist to add to from the list on the right.

To add the track to a new playlist, click (New playlist).
A new playlist is created and is displayed in the Playlist contents list.
You can now input a name for the playlist.

5 Click → .

The selected tracks are added to the Playlist contents list.

6 When you have finished adding all the desired tracks, click (Close Edit).

The screen returns to My Library screen.

To add a track using drag and drop

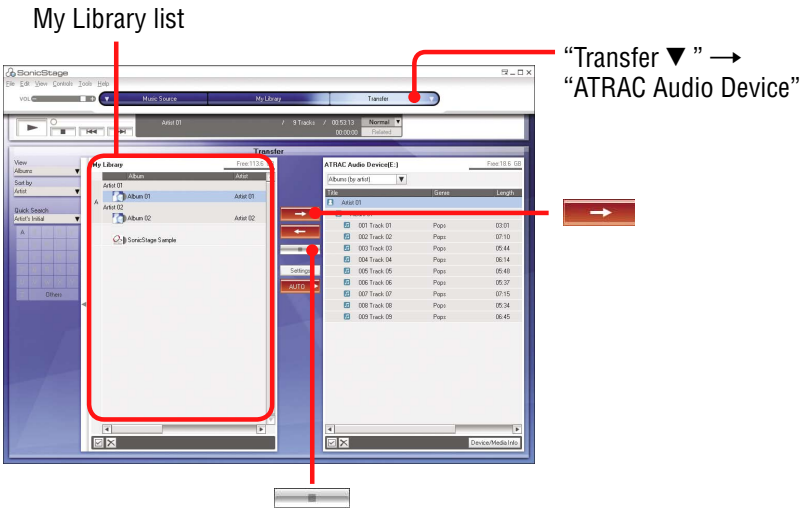
You can add a track by dragging it from the My Library list on the left to Playlist contents list on the right. In this case, the track is added to the list at the position where it was dropped.

To check the detailed information on albums or tracks

Right-click the album or the track you want to check for detailed information on the SonicStage window, then select “Properties” from the menu.
The “Album Properties” window or the “Track Properties” window appears. You can check and edit the information in the window. The contents you edit in the “Properties” window will be applied to the My Library screen.

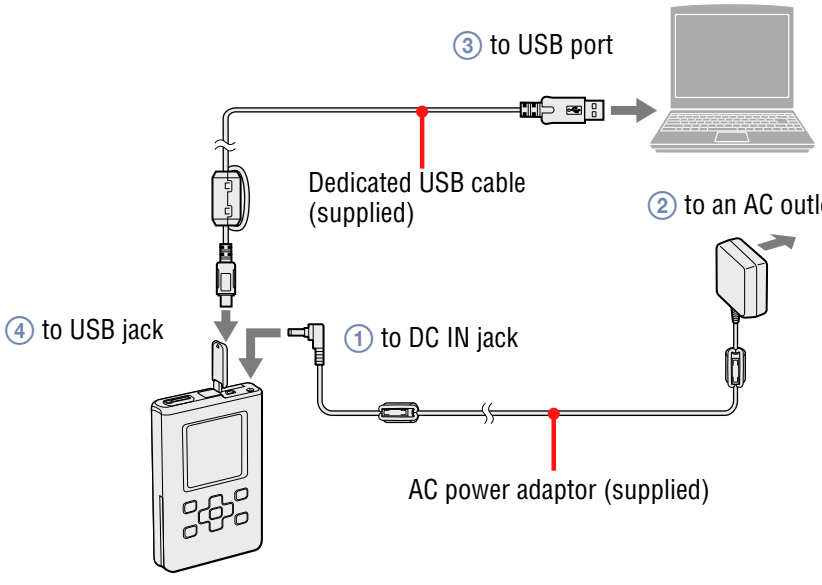
Transferring Audio Data to the Player

Transfer the tracks (audio data) stored in SonicStage “ My Library” on your computer to the player in ATRAC3plus/MP3 format.
The audio data to be transferred includes the information, such as an artist name and an album name in the CD information.



1 Connect the player to your computer and the AC power adaptor in the following order from ① to ④.

“Connecting to PC” appears in the display.
The setup display for automatic transfer appears in the SonicStage window. Follow the instructions in the window. For details, refer to the SonicStage Help (☞ page 73).



Continued ⇩

2 Point to ▼ of "Transfer ▼," and select "ATRAC Audio Device" from the list.

The screen is switched to the window on which tracks are transferred from SonicStage to the player.

3 Click the album you want to transfer from the My Library list on the left side of the SonicStage window.

When you want to transfer only selected tracks, click the tracks you want to transfer. To transfer multiple tracks or albums, click the tracks or albums while holding the "Ctrl" key down.

You can also transfer playlists to the player (up to 8,187 playlists and 999 tracks per playlist).

When you try to transfer a playlist that contains a track transferred to the player already, only the playlist data of that track is transferred.

4 Click →.

Transfer of the selected tracks or albums starts.

You can check the transferring status on the SonicStage window.

To stop transferring

Click ▬ on the SonicStage window.

Notes

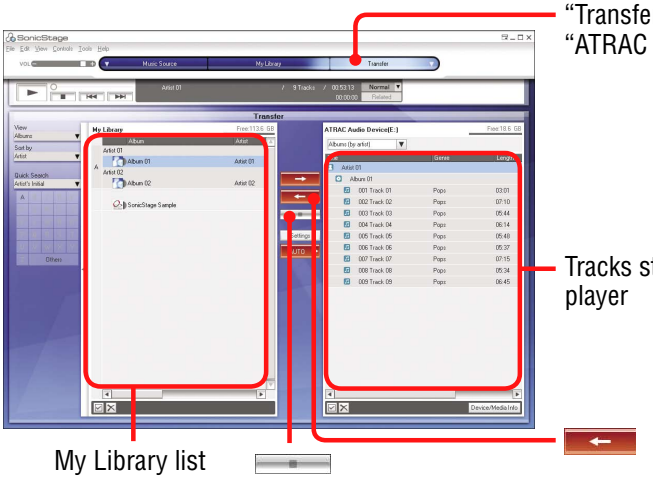
- Do not use the player where it will be subjected to vibration when transferring audio data. Also, do not place the player near magnetic objects.
- Do not disconnect the USB cable, or remove the battery from the player while the data is being transferred. If you do, the data being transferred may be destroyed.
- Use of the player with a USB hub or a USB extension cable is not guaranteed. Always connect the player to the computer directly using the supplied USB cable.
- Some USB devices connected to the computer may interfere with the proper operation of the player.
- The control buttons on the player are all disabled while it is connected to a computer. If you connect the player to the computer during playback, playback stops and "Connecting to PC" appears in the player display.

Continued ⇩

- When there is not enough free space on the player for audio data to be transferred, the transfer will fail.
- The number of transfers for a track may be limited for reasons of copyright.
- Tracks with a limited playing period or playing count may not be transferred due to restrictions set by copyright holders.
- During the transfer, the system suspend, sleep, or hibernation function will not operate.
- Depending on the type of the text and number of characters, the text entered by SonicStage may not be displayed on the player. This is due to the limitations of the player.
- If the player is connected for a while to a computer that is powered, or after lots of data is transferred to the player, the player may get warm. However, this is not a malfunction. Disconnect the AC power adaptor and the dedicated USB cable from the player and leave it aside for a while.
 If you keep the heated part of the player in contact with the same part of your body for a long period of time, even if the player is at a relatively low temperature, it may cause a low-temperature burn. Avoid keeping the player against your skin for a long time, especially if you have sensitive skin.
- When there is not enough space on the hard disk of the player, "NO DATABASE FOUND" may appear even if the transfer of audio data is completed properly. In this case, connect the player to your computer again, and then transfer back any unnecessary tracks to your computer to increase the free space.

Transferring Audio Data Back to Your Computer

Audio data can be transferred back to SonicStage “ My Library” on your computer.



1 Connect the player to your computer (see step 1 in “Transferring Audio Data to the Player,” ☞ page 24).

2 Point to ▼ of “Transfer ▼,” and then select “ATRAC Audio Device” from the list.

The screen is switched to the window on which tracks are transferred from the player to SonicStage.

3 Click the album you want to transfer to My Library list on right side of the SonicStage window.

When you want to transfer only selected tracks, click the tracks you want to transfer.

To transfer multiple tracks or albums, click the tracks or albums while holding the “Ctrl” key down.

4 Click ←.

Transfer of the selected album starts.

You can check the transferring status on the SonicStage window.

Continued ⇩

To stop transferring

Click  on the SonicStage window.

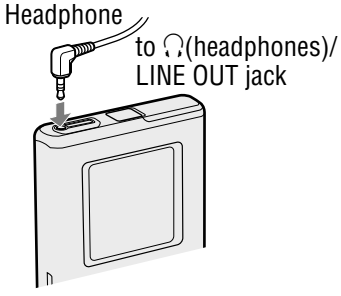
Notes

- Tracks transferred to the player from another computer cannot be transferred to My Library on your computer.
- Do not disconnect the USB cable, or remove the battery from the player while the data is being transferred. If you do, the data being transferred may be destroyed.

Playing Back

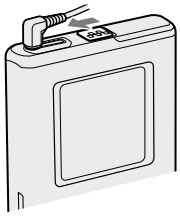
You can play back tracks transferred to the player using SonicStage (☞ page 19).
You can change the language to your own for the menu and the messages in the display (☞ page 54).

1 Connect headphones to the ∩ (headphones)/LINE OUT jack of the player.



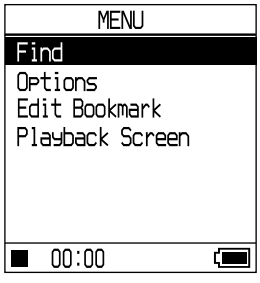
2 Slide the HOLD switch in the direction of the arrow show in the illustration to unlock the controls.

All the buttons are unlocked.



3 Press any button other than ►II on the player.

The MENU display appears.



4 Press ^/v to select "Find," and then press ►II.

The Find display appears.



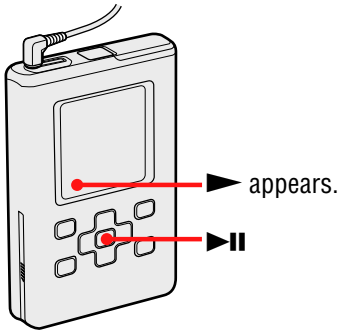
5 Press ^/v to select the search mode.

To search a track more, press >.

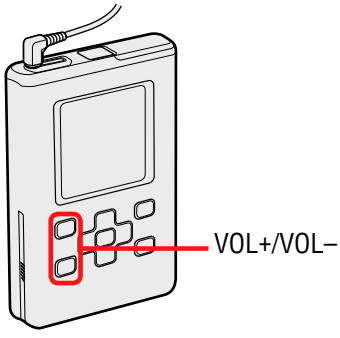
Continued ⇩

6 Press ►II.

► appears on the left bottom of the display and the player starts playback. Press ►II again to pause.



7 Press VOL+/VOL− to adjust the volume.



What type of audio data can I play back?

This player can play audio data compressed in the ATRAC3plus/MP3 formats.
Playable MP3 file formats are as follows:

– MPEG-1 Audio Layer-3
– Bit rate 32 to 320 kbps (CBR/VBR)
– Sampling frequencies 32/44.1/48 kHz

Notes

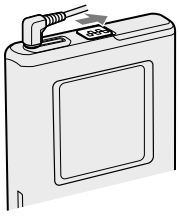
- MP3 format files that are not playable on the player can still be transferred to the player.
- When trying to play an MP3 audio track that cannot be played on this player, playback will stop. Press ⏭ to select other tracks.
- When using the rechargeable lithium-ion battery, if the player is not operated for about 30 seconds while in stop mode, the display automatically turns off. When scrolling track titles, etc., the display turns off about 30 seconds after scrolling is finished.
- If playback does not start, make sure that the HOLD switch is set to off (☞ 31).

Continued ⇩

Locking the controls (HOLD)

You can prevent accidental button presses while carrying the player by locking the controls. “HOLD” flashes on the display if you press any button when the HOLD function is activated.

Slide the HOLD switch in the direction of the arrow show in the illustration.



To unlock the controls

Slide the HOLD switch in the direction opposite to that of the arrow show in the illustration above.

Basic playback operations (Play, stop, search)

To	Operation
Play from a point where you stopped the player previously	Press ▶II. Playback starts from the point where you stopped.
Stop playback	Press ■.
Find the beginning of the current track	Press ⏮ once.
Find the beginning of previous tracks*	Press ⏮ repeatedly.
Find the beginning of the next track*	Press ⏭ once.
Find the beginning of succeeding tracks*	Press ⏭ repeatedly.
Go backwards quickly	Press and hold ⏮.
Go forward quickly	Press and hold ⏭.

* When Shuffle tracks play or Shuffle items play (☞ page 47) is selected, playback order is different.

To turn off the player

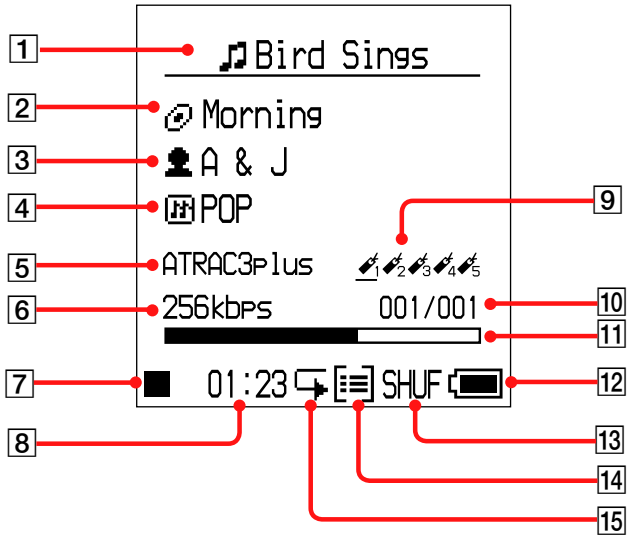
Press and hold ■ until the display disappears.
To turn on the player again, press any button.

Continued ⇩

Checking information in the display

You can check audio data and the playback status in the player display.

Player display during playback



1 Track title
2 Album name
3 Artist name
4 Genre
5 ATRAC3/ATRAC3plus/MP3 (☞ page 21)
6 Bit rate* (☞ page 21)
7 Playing status
►: Playback
■: Stop
►►: Fast forward
◄◄: Fast reverse
I◄◄/►►I: Locating the beginning of the track
8 Elapsed playing time
9 Bookmark (☞ page 39)
10 Track number
11 Playback progress bar
12 Remaining power of the battery (☞ page 15)
13 Play mode (☞ page 45), Sound indicator (when adjusting the volume, ☞ page 52)
14 Unit indicator (☞ page 48)
15 Repeat (☞ page 49)

* In the case of an MP3 track that supports VBR (Variable Bit Rate), the bit rate that appears here may not match the one displayed by the SonicStage software.

Note

The characters A to Z, a to z, 0 to 9, and symbols (except /) can be displayed.

Selecting Tracks to Playback
(Artist, Album, Genre, etc.)

By searching for tracks in the player by "Artist" or "Album," etc., you can select the tracks you want to listen to.
For details about the displays, see "On folder structure of the Find display" (☞ page 35).

1 Press SEARCH/MENU.
The Find display appears.



2 Press / to select a search mode.
If you press ▶II in any mode other than "Playlist" or "Initials Search" mode, playback starts.
For example, when you select "Artist," playback starts from the first track in the first album of the artist you selected.
All the albums of all the artists listed after the selected artist are played in the track number order.

3 To search for more tracks, press .

4 Press / to select an item to play back, and then press ▶II.
Playback starts from the track you selected or the first track of the item (artist, album, etc.) you selected. All the tracks listed after the selected items are played in the track number order

Continued ⇩

To return to the Find display

Press SEARCH/⬬MENU.

To return to the MENU display

Press and hold SEARCH/⬬MENU.
To return to the playback screen, select “Playback Screen” on the MENU display, and then press ▶II.

To return to the track list

Press ^/v.

To stop playback in the Find display

Press ■.

To scroll multiple items at once

Press ^ or v twice quickly on the Find display, and then press and hold it for a few seconds.
All the items listed in the display are scrolled up several items at a time.
When you press and hold ^ or v for a few seconds, items are scrolled up at faster than normal speed.

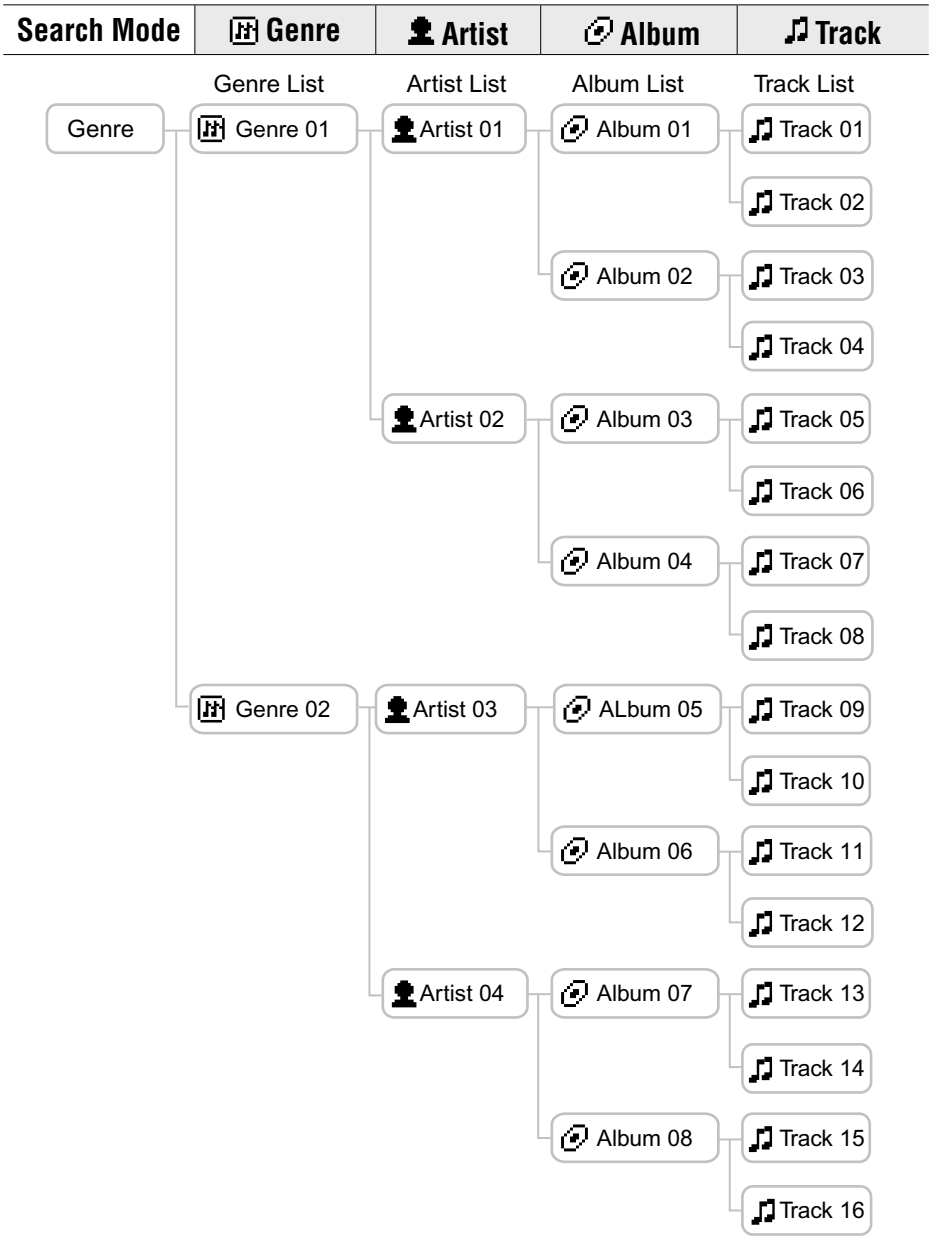
Continued ⇩

On folder structure of the Find display

There are the following search modes on the Find display, – “Artist,”– “Album,”–“Track,”– “Genre,” –“New Tracks,” – “Initials Search” and “Playlist.” The structure of Genre, Artist, Album, and Track is as follows.

On any of the Find displays in Artist, Album, Track, Genre, and New Tracks, you can start playback by pressing ►II.

To select and play back tracks from New Tracks, see ☞ page 36, from Initials Search, see ☞ page 36, from Playlist, see ☞ page 38.



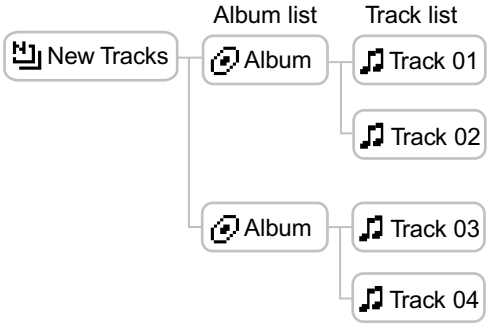
Continued ⇩

Selecting tracks from "New Tracks"

You can select tracks from albums that are newly transferred to the player (the 5 latest times).

1 Select "New Tracks" in the Find display (in step 2, page 33), and then press .

The list of new tracks appears. The following is the structure of "New Tracks."



2 Press / to select an item to play back, and then press ►II.

Playback starts from the selected track or the first track in the selected album. All the tracks listed after the selected items are played in the track number order.

Selecting a track by the first letter of the track (Initials Search)

You can select tracks by searching for the first letter of a track title.
The player searches for a track title in the CD information in SonicStage.

1 Press SEARCH/MENU.

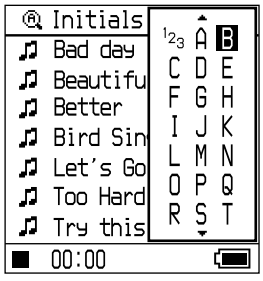
The Find display appears.



Continued ⇩

2 Press ∧/∨ to select "Initials Search," and then press ►II.

The track list appears, and then the character select display appears.



3 Press ∧/∨/</>/> to select the initial of the track title, and then press ►II.

The tracks that start with the initial you have selected appear in the list. If there are no tracks with the initial you have selected, the tracks listed after the initial appear.



4 Press ∧/∨ to select the track to play back, and then press ►II.

Playback starts from the track you selected. All the tracks listed after the selected track are played back in the track number order.

To return to the Find display

Press SEARCH/●MENU.

To return to the MENU display

Press and hold SEARCH/●MENU.

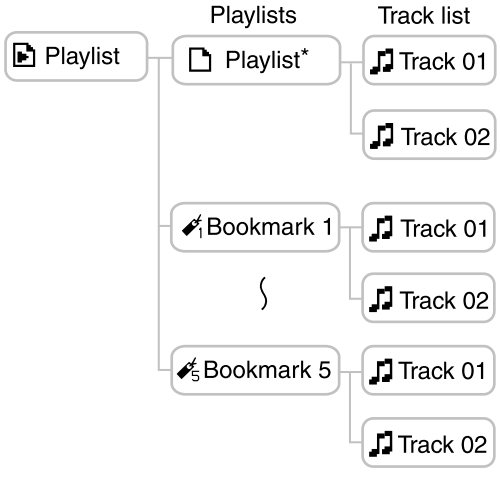
Continued ⇩

Selecting tracks from "Playlist"

You can select tracks from playlists edited using SonicStage or tracks registered in bookmark types (Bookmark 1 to Bookmark 5) on the player. To register a track in a Bookmark, see ☞ page 39.

1 Select "Playlist" in the Find display (in step 2, ☞ page 33), and then press .

The list of Playlist appears. The following is the structure of Playlist.



* A Playlist name in the Playlist contents list appears with the name you created in SonicStage.

2 Press / to select an item to play back, and then press ►II.

Editing Bookmarks on the Player

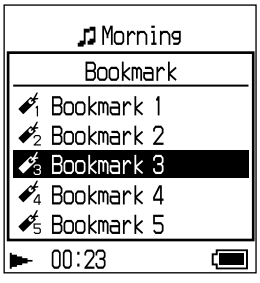
There are two kinds of playlists, that is, the playlists in SonicStage and the playlists in the player. A playlist in the player includes playlists created in SonicStage and bookmark types created on the player. For details on the structure of the playlist, see ☞ page 38. You can only edit playlists using the equipment they were created on. The bookmark types created on the player cannot be edit or displayed in SonicStage.

Registering a track in a Bookmark (Bookmark track play)

You can register your favourite tracks in Bookmarks. To play back registered tracks, select "Playlist" in the Find display (☞ page 33).

1 During playback of the track that you want to register in a Bookmark, press and hold .

The Bookmark display appears.



2 Press / to select a bookmark type where the track is registered, and press ►II.

"Bookmarked" and the number of bookmarks (the number of bookmarked tracks/the number of possible bookmarks) appear, and then the bookmark icon lights up.

3 If you want to add a bookmark to two or more tracks, repeat steps 1 and 2.

You can register to up to 100 tracks in each of Bookmark.

Continued ⇩

To play tracks registered in Bookmarks

1 Press SEARCH/⬬MENU.
The Find display appears.
2 Press ⏮/⏭ to select "Playlist," and then press ▶II.
3 Press ⏮/⏭ to select "Bookmark," and then press ⏩.
When you press ▶II instead of pressing ⏩ here, playback starts from the first track of the selected Bookmark.
4 Press ⏮/⏭ to select a track, and then press ▶II.
A line appears under the bookmark icon on the playback display.

To remove bookmarks

During playback of the track that you want to remove the bookmark from, following the steps above, press and hold ⏭.
"Bookmark cleared" appears and the bookmark icon disappears from the display.

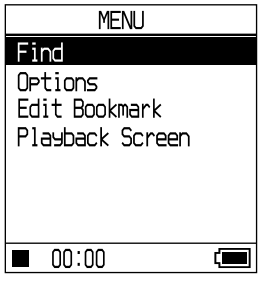
Notes

- You can register a track in a Bookmark only during playback.
- You can remove a bookmark from a track only while playing back the track, following the steps above.

Rearranging the track order in a Bookmark

You can rearrange the order of tracks registered in a bookmark type.

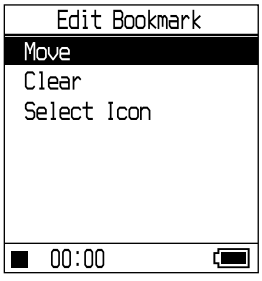
1 Press and hold SEARCH/⬬MENU.
The MENU display appears.



Continued ⇩

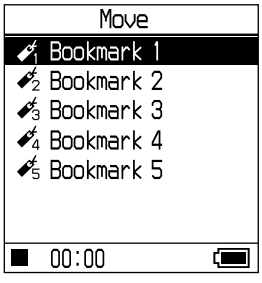
2 Press ⏮/⏭ to select "Edit Bookmark," and then press ▶II or ⏭.

The Edit Bookmark display appears.



3 Press ⏮/⏭ to select "Move," and then press ▶II or ⏭.

The Bookmark list appears.



4 Press ⏮/⏭ to select Bookmark to edit, and then press ▶II or ⏭.

The track list of the selected Bookmark appears.



5 Press ⏮/⏭ to select the track to move, and then press ▶II.

The selected track flashes.

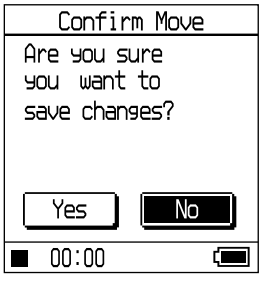
6 Press ⏮/⏭ to select the destination where the track will be moved, and then press ▶II.

The track you selected in step 5 moves to the place you selected in step 6.

When you want to move other tracks, repeat steps 5 and 6.

7 Press ⏭ or ■.

The confirmation dialog box appears.



Continued ⇩

8 Press ⏮/⏭ to select "Yes," and then press ▶II.

"Changes saved." appears in the player display.
If you select "No," the editing of the playlist is cancelled, and the display returns to the Edit Bookmark display.

Clearing bookmarked tracks

You can clear tracks registered in a bookmark type.

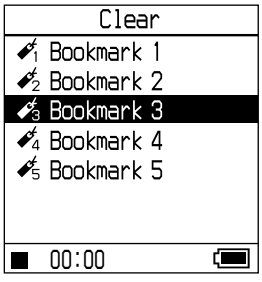
1 Select "Clear" in step 3 in the "Rearranging track order in a Bookmark" (☞ page 40), and then press ▶II or ⏭.

The Clear display appears.



2 Press ⏮/⏭ to select "♫Track" or "Bookmark," and then press ▶II.

The Bookmark list appears.



3 Press ⏮/⏭ to select Bookmark, and then press ▶II or ⏭.

When you select "Track" in step 2, the track list appears.
When you select "Bookmark" in step 2, proceed to step 6.



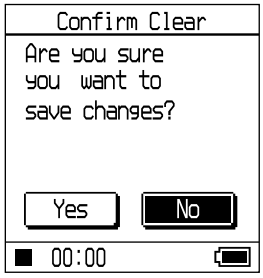
Continued ⇩

4 Press ^/v to select a track to be cleared, and then press ▶II.

The selected track is removed from the list.
When you want to clear multiple tracks from a Bookmark, repeat this step.

5 Press > or ■.

The confirmation dialog box appears.



6 Press < / > to select "Yes," and then press ▶II.

"Changes saved" appears in the display and the display returns to the Edit Bookmark display.

When you have selected "Bookmark" in step 2

"Are you sure you want to clear all bookmarked tracks?" appears in the display. Select "Yes."
If you select "No" here, the editing of bookmarks is cancelled and display returns to the Edit Bookmark display.

To scroll multiple items at once

Press ^ or v twice quickly on the display of a track list in "Rearranging the track order in a Bookmark" (☞ page 40), or in "Clearing bookmarked tracks" (☞ page 42), and then press and hold it for a few seconds.
All the items listed in the display are scrolled up several items at a time.
When you press and hold ^ or v for a few seconds, items are scrolled up at faster than normal speed.

Note

You cannot edit Bookmarks while playing back or pausing the tracks that are registered to them.

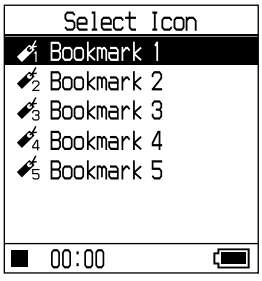
Continued ⇩

Changing a bookmark icon

You can select a bookmark icon to appear on bookmarked tracks. It is convenient to use a different bookmark icon for each Bookmark (Bookmark 1 to 5).

1 Select "Select Icon" in step 3 in the "Rearranging track order in a Bookmark" (☞ page 40), and then press ►II or .

The Bookmark list appears.



2 Press / to select the bookmark type whose icon you want to change, and then press ►II.

The Select Icon display appears.



3 Press / / / to select an icon, and then press ►II.

The icon you have selected appears with the bookmarked track.

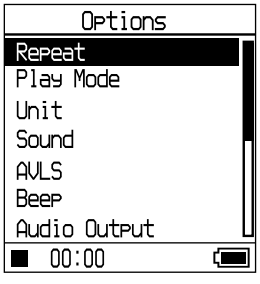
Changing Playback Options (Play Mode)

You can use various playback options (Play Mode), such as selecting tracks you want to listen to and playing tracks in random order.
For details about playback options and the playback range, see “Playback options” (☞ page 47).
You can also play back tracks in random order (☞ page 47, 49) or repeat tracks using playback options you selected (repeat play, ☞ page 49).

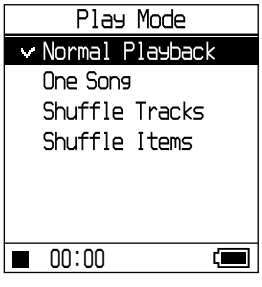
1 Press and hold SEARCH/–MENU.
The MENU display appears.



2 Press ^/v to select “Options,” and then press ►II.
The Options display appears.



3 Press ^/v to select “Play Mode,” and then press ►II.
The list of Play Mode appears.



Continued ⇩

4 Press ^/v to select a playback option, and then press ►II.
The default setting is “Normal Playback” (normal play).

5 Press SEARCH/MENU to display the Find display, and then select the search category for playback (☞ page 33).
To narrow down the search category for playback, press .

6 Press ►II.
Playback starts in the selected playback option.

To cancel set up
Press ■ to return to the Options display.

To return to normal play
In step 4, select “Normal Playback.”

To return to the MENU display
Press and hold SEARCH/MENU.

Continued ⇩

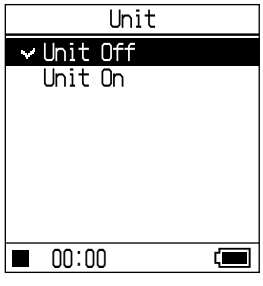
Playback options (Play Mode)

Player display/icon	Explanation
Normal Playback/ No icon (Normal play)	All the tracks after the selected track are played once in the track number order. When you select an item (album, artist, etc.) other than a track, all the tracks are played once from the first track of the item in the track number order.
One Song/ 1 (Single play)	The selected track is played once. When you select an item (album, artist, etc.) other than a track, only the first track is played once.
Shuffle Tracks/ SHUF	All the tracks are played once in random order.
Shuffle Items/ SHUF	All the albums are played once in random order (Album Shuffle). The playback order in the albums is track number order. When "Unit" is set to "Unit On" (☞ page 47), tracks are played back in Unit shuffle (☞ page 49).

Playing back tracks in a selected search category (Unit play)

1 Select "Unit" in step 3 in the "Changing Playback Options" (☞ page 45), and then press ►II.

The Unit display appears.



2 Press ⋀/⋁ to select "Unit On," and then press ►II.

Continued ⇩

3 Press SEARCH/–MENU to display the Find display, and then select the search category for playback (☞ page 33).

4 Press ►II.

Playback starts in the unit in the track number order.

What is a unit (search category for playback)?

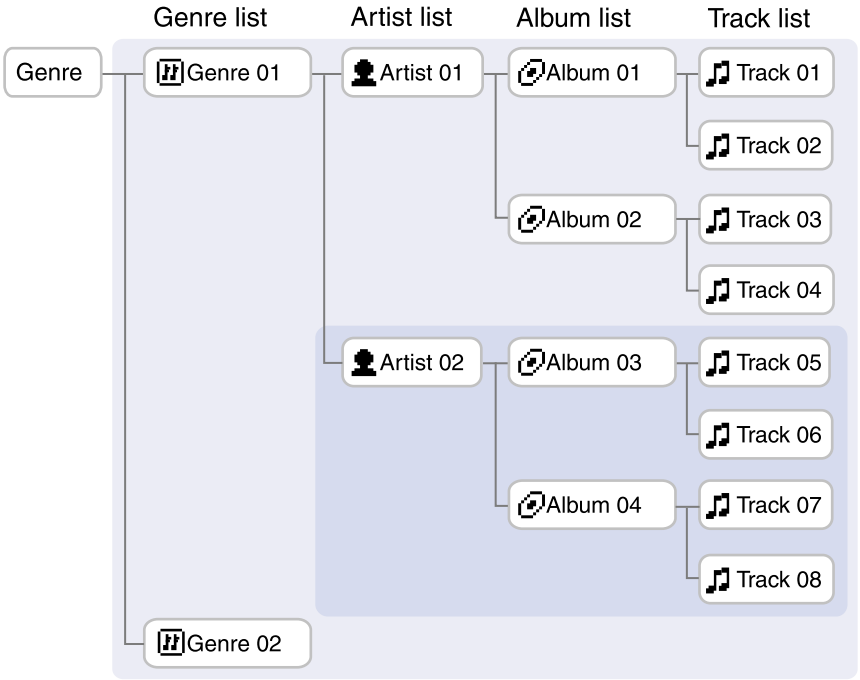
All the items (an artist, an album, a track, etc.) that belong to the selected item when you start playback are called a "unit."

e.g: When you start playback after selecting "Genre 01"

Tracks from Track 01 to 08 will make up one unit.

When you start playback after selecting "Artist 02"

Tracks from Track 05 to 08 will make up one unit.



Notes

- When you switch "Unit on" to "Unit off," or "Unit off" to "Unit on," the unit is reset to include all the tracks on the player.
- When you select a track as the search category for playback in step 3, the album that contains the track is designated as the unit.

Continued ⇩

On Track shuffle within the unit (“Shuffle Tracks” play mode when the “Unit” is set to “Unit On”)

If you set “Unit” to “Unit On” on the Options display, all the items (an artist, an album, a track) listed in the unit when you start playback are played in random order.

On Unit shuffle (“Shuffle Items” play mode when the “Unit” is set to “Unit On”)

If you set “Unit” to “Unit On” on the Options display, items in the first hierarchy in the unit are played back in random order. The playback order in the units is track number order.

Notes

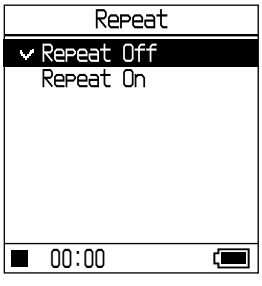
- When you select “♫ Track” on the Find display and start playback in Shuffle mode, all the tracks on the player are played back in random order, regardless of the settings of “Unit On/Off” or “Track/Item shuffle” mode.
- When you select “Playlist” on the Find display, then select “Playlist” or “Bookmark” to start playback in Shuffle mode, all the tracks in the Playlist or the Bookmark are played back in random order, regardless of the settings of “Unit On/Off” or “Track/Item shuffle” mode.

Playing tracks repeatedly (Repeat play)

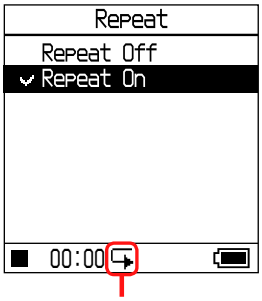
Playback of tracks is repeated in the playback option selected on ☞ page 47.

1 Select “Repeat” in step 3 in the “Changing Playback Options” (☞ page 45), and then press ▶II.

The Repeat display appears.



2 Press ^/v to select “Repeat On,” and then press ▶II.



appears.

Continued ⇩

3 Press SEARCH/MENU to display the Find display, and then select the search category for playback (☞ page 33).

4 Press ►II.

Playback starts in the selected playback option.

To cancel set up at any time during operation

Press ■ to return to the Options display.

To cancel Repeat play

In step 2, select “Repeat Off.”

To return to the Find display

Press SEARCH/MENU.

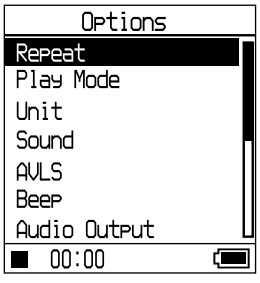
Changing Sound Quality and Settings

For details about various setting items, see ☞ page 52.

1 Press and hold SEARCH/⬬MENU.
The MENU display appears.



2 Press ^/v to select "Options," and then press ►II.
The Options display appears.



3 Press ^/v to select an option, and then press ►II.

To change sound quality

After step 3, press ^/v to select "Sound" (☞ page 52), and then press ►II.

To return to the previous display

Press <.

To cancel set up

Press ■ to return to the Options display.

To return to the MENU display

Press and hold SEARCH/⬬MENU.

Continued ⇩

Setup items for sound quality and displays

Item	Options (●: Default setting)		
Sound	●Sound Off		Plays tracks in normal sound quality.
	VPT Acoustic Eng. [1) 2)]	Studio (VS)	Recreates the sound of a recording studio.
		Live (VL)	Recreates the sound of a concert hall.
		Club (VC)	Recreates the sound of a dance hall.
		Arena (VA)	Recreates the sound of a stadium.
	6-Band Equalizer [1) 2)]	Heavy (SH)	Plays tracks in powerful sounds, further emphasizing high and low ranges compared with Pops sound
		Pop (SP)	Plays tracks in sound for vocal, stressing middle range audio.
		Jazz (SJ)	Plays tracks in lively sounds, emphasizing high and low range audio.
		Unique (SU)	Plays tracks in special sounds, emphasizing high and low range audio more than middle range.
		Custom 1 (S1)	Plays tracks in customized sound (☞ page 55 for detail).
		Custom 2 (S2)	
	Dgtl. Snd. Presets [2)]	Custom 3 (S3)	Plays tracks with preset treble and bass sound (☞ page 56 for details).
		Custom 4 (S4)	

1) The settings work only when playing ATRAC3plus audio tracks. When playing an MP3 audio track, the settings do not work.
2) The sound settings appear in the display as the letters in parentheses (☞ page 32).

Continued ⇩

Item	Options (●: Default setting)	
AVLS [1]	●AVLS Off	The volume changes without limiting the volume level.
	AVLS On	The maximum volume is limited to protect your hearing.
Beep	●Beep On	The beep sounds when you operate the player.
	Beep Off	The beep is turned off.
Audio Out	●Headphone	Select this when you connect the supplied headphones.
	Line Out	Select this when you connect other devices such as speakers with an audio cord (☞ page 58).
Backlight [2]	●10 sec	The backlight lights up for the selected time when you press a button or while scrolling.
	30 sec	
	Always Off	The backlight is turned off to save power.
Contrast [3]	●Center	The display is moderately bright. If the body color of the player is black, the default setting is second from the left.
	– to +	Set toward – to make the display brighter and toward + to make it darker. The level is set to center when you press ⏮ while pressing SEARCH/●MENU on any display.
Invert Screen	●Negative	Characters and icons appear in white and the background in black.
	Positive	Characters and icons appear in black and the background in white.

1) AVLS is an abbreviation of the Automatic Volume Limiter System.

2) When you press VOL+/VOL− when the backlight is off, the backlight turns on.

3) The settings returns to the Factory settings when you press ⏮ while pressing SEARCH/●MENU.

Continued ⇩

Item	Options (●: Default setting)	
Orient Screen	●Vertical	Fixes the display vertically.
	Auto	Adjusts the display orientation automatically using the G-Sensor [1] function. The orientation of the display is fixed to the appropriate direction when you turn the player on.
	Right	Rotates the display to the left so that you can operate the player with your right hand.
	Left	Rotates the display to the right so that you can operate the player with your left hand.
Language	日本語	The messages and the menus are in Japanese.
	●English	The messages and the menus are in English.
	Français	The messages and the menus are in French.
	Deutsch	The messages and the menus are in German.
	Italiano	The messages and the menus are in Italian.
	Español	The messages and the menus are in Spanish.
	簡体中文 [2]	The messages and the menus are in Simple Chinese.
	繁體中文 [2]	The messages and the menus are in Traditional Chinese.
	한글 [2]	The messages and the menus are in Korean.
Initialize System [3]	Factory Settings	All of the settings on the MENU display are set to the factory setting (☞ page 60).
	Initialise HDD	All of the data on the player are erased (☞ page 62).
	Update Firmware	Updates the player firmware.[4]

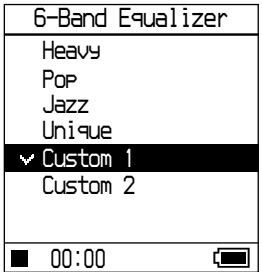
1) G-Sensor is the function that senses the direction of the player.
2) These languages are not displayed depending on the country where you use the player.
3) You cannot reset to the settings during playback or pause.
4) This function is not available at this time. Please wait until the information is announced.

Continued ⇩

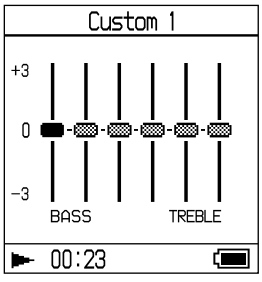
Customizing sound quality (6-Band Equalizer – Custom)

You can adjust the sound quality for each frequency range individually, checking the settings on the display.

1 After selecting "Sound" in step 3 in "Changing Sound Quality and Settings" (☞ page 51), select "6-Band Equalizer," and then press ►II.

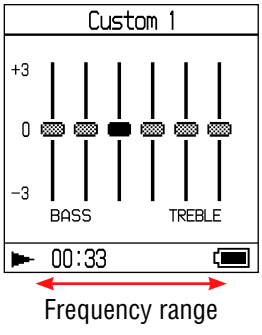


2 Press ^/v to select "Custom 1" or "Custom 2," and then press ►II.



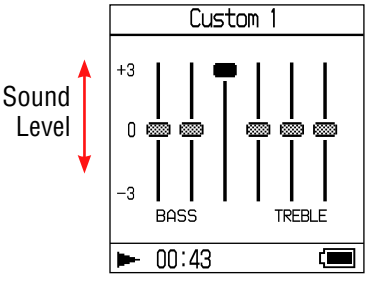
3 Press < / > to select the frequency range.

There are six frequency ranges.



4 Press ^/v to select the sound level.

The sound level can be adjusted in seven levels.



Continued ⇩

5 Repeat steps 3 and 4 to make adjustments for the remaining frequency ranges.

6 Press ►II.

The display returns to the 6-Band Equalizer display.

To cancel set up

Press ■ to return to the 6-Band Equalizer display.

To return to the MENU display

Press and hold SEARCH/⬬MENU.

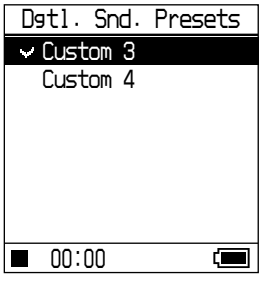
Notes

- If the sound is distorted by your sound settings when you turn up the volume, turn the volume down.
- If you feel difference in sound volume between the "Custom 1" or "Custom 2" sound setting and other sound settings, adjust the volume to your preference.
- When playing an MP3 audio track, the settings do not work.

Adjusting treble and bass emphasis (Digital Sound Preset)

You can preset the treble and bass levels to your preference. While checking the display, adjust the emphasis settings.

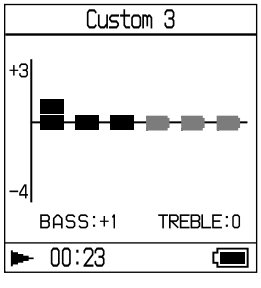
1 After selecting "Sound" in step 3 in "Changing Sound Quality and Settings" (☞ page 51), select "Dgtl. Snd. Presets," and then press ►II.



2 Press ⌒/⌒ to select "Custom 3" or "Custom 4," and then press ►II.

Default setting

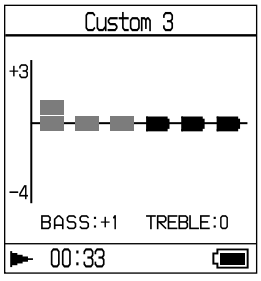
Sound Quality	Custom 3 (S3)	Custom 4 (S4)	OFF (NORMAL SOUND)
Bass	+1	+3	±0
Treble	±0	±0	±0



Continued ⇩

3 Press ‹ / › to select “Treble” or “Bass.”

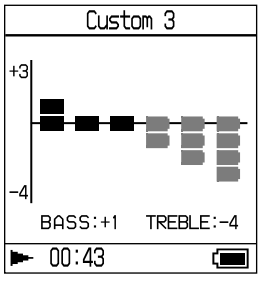
You can adjust the sound quality of the treble and bass.



4 Press ^/v to select the sound level.

The sound level can be adjusted in eight levels.

Sound Quality	Emphasis level
Bass	-4 to +3
Treble	-4 to +3



5 Press ►II.

The screen returns to the Dgtl. Snd. Presets display.

To cancel set up

Press ■ to return to the Dgtl. Snd. Presets display.

To return to the MENU display

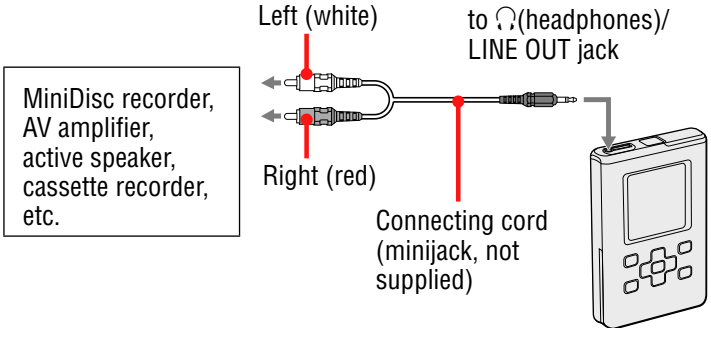
Press and hold SEARCH/⬬MENU.

Notes

- The treble and bass sound levels appear on the right and left ends of the “Custom 3” or “Custom 4” chart. You cannot adjust the in-between levels individually because they are linked to the treble and bass levels and change automatically.
- If the sound is distorted by your sound settings when you turn up the volume, turn the volume down.
- If you feel difference in sound volume between the “Custom 3” or “Custom 4” sound setting and other sound settings, adjust the volume to your preference.

Connecting Other Devices

You can listen to tracks through a stereo system and record tracks in the player onto a MiniDisc or a cassette tape. See the instruction manual that comes with the device you want to connect.
Be sure to turn off all devices before making the connections and changing the settings and explained below.



You need to change the setting for “Audio Output” in the Options display to output sound to the connected device. The settings of “ Audio Output” are shown below. To make those settings, see ☞ page 51.

Connected device	Setting
Headphones	Headphone
Device connected using the connecting cord	Line Out

When you connect another device, set this to “Line Out.” When the setting is “Line Out,” volume cannot be adjusted, and the settings in “Sound” is not available and do not work.

Notes

- When the supplied headphone is connected to the player, do not set “Audio Output” to “Line Out.” If it is set to “Line Out,” the volume cannot be adjusted and the sound will be distorted and noisy.
- Before playback, turn down the volume of the connected device to avoid damaging the connected speaker.

Storing Data Other Than Audio Files

You can transfer data from the hard disk of a computer to the built-in hard disk of this player using Windows Explorer.
The built-in hard disk of the player is displayed in Windows Explorer as an external drive (as a removable storage).

Notes

- Do not use SonicStage while operating the hard disk of the player using Windows Explorer.
- If WAV and MP3 files are transferred to the player using Explorer, they cannot be played. Transfer them using SonicStage.
- Do not disconnect the USB cable while the data is transferred. The data being transferred may be destroyed.
- Do not initialize the hard disk of the player on the computer.

Resetting to the Factory Settings

Reset all the settings in the MENU display to the factory settings.

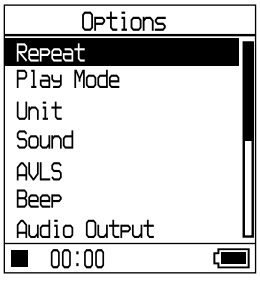
1 While the player is stopped, press and hold SEARCH/–MENU.

The MENU display appears.



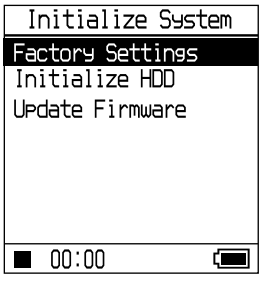
2 Press ^/v to select "Options," and then press ►II.

The Options display appears.



3 Press ^/v to select "Initialize System," and then press ►II.

The Initialize System display appears.



4 Press ^/v to select "Factory Settings," and then press ►II.

The Factory Settings display appears.



Continued ⇩

5 Press ‹ / › to select “Yes,” and then press ►II.

The message appears, and then the display returns to the Initialize System display.

To cancel set up

Press ■. Alternatively, select “No” in step 5, and then press ►II.
The display returns to the Format display.

Note

You cannot reset to the factory settings during playback.

Initializing Hard Disk

You can initialize the built-in hard disk of the player. If the hard disk is initialized, all the audio data and the other data stored will be erased. Be sure to verify the data stored in the hard disk prior to initializing.

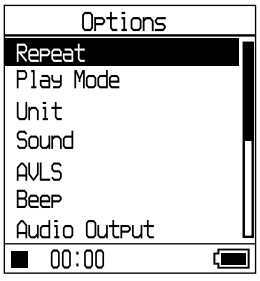
1 While the player is stopped, press and hold SEARCH/–MENU.

The MENU display appears.



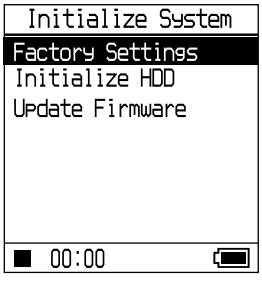
2 Press ^/v to select "Options," and then press ►II.

The Options display appears.



3 Press ^/v to select "Initialize System," and then press ►II.

The Initialize System display appears.



4 Press ^/v to select "Initialize HDD," and then press ►II.

The Initialize HDD display appears.



Continued ⇩

5 Press ⟨ / ⟩ to select "Yes," and then press ►II.

A confirmation dialog appears.



6 Press ⟨ / ⟩ to select "Yes," and then press ►II.

The message appears, and then the display returns to the Initialize System display.

To cancel set up

Press ■. Alternatively, select "No" in step 6, and then press ►II.
The display returns to the Initialize System display.

Notes

- Do not initialize the hard disk of the player on the computer.
- You cannot format the hard disk during playback.
- All the audio data and the files other than audio data are deleted if the player is initialized.
- If tracks are erased by initializing, SonicStage recognizes them as tracks to be transferred back to the computer when the player is connected to your computer. Therefore, the remaining transferable count increases automatically.

Uninstalling SonicStage

To uninstall SonicStage, follow the procedures below.

1 Click "Start"– "Control Panel."*

* "Settings" – "Control Panel" in the case of Windows 2000 Professional/Windows Millennium Edition/Windows 98 Second Edition

2 Double-click "Add/Remove Programs."

3 Click "SonicStage 3.1" in the "Currently Installed Programs" list, and then click "Change and Remove."*

Follow the displayed instruction and restart your computer. The uninstallation is completed when the computer has restarted.

* "Change/Remove" in the case of Windows 2000 Professional, "Add/Remove" in the case of Windows Millennium Edition/Windows 98 Second Edition

Note

When you install SonicStage Ver. 3.1, OpenMG Secure Module 4.1 is installed at the same time. Do not delete OpenMG Secure Module 4.1 since it may be used by other software.

Troubleshooting

If you experience trouble with your player, try the following solutions.

1 Remove the battery and insert it again.
2 Check the symptoms in “Troubleshooting.”
3 Check the symptoms in the SonicStage Help when using SonicStage.
4 If the problem cannot be solved after checking the above references, check the following table and then consult your nearest Sony dealer.

Power

Symptom	Case and/or corrective action
Battery life is short	→ The operating temperature is below 5°C (41°F). This is due to the battery characteristics and not a malfunction.
	→ You have not used the player for a prolonged period. Efficiency of the battery will be improved by repeatedly charging and discharging.
	→ The battery pack may have reached the end of its useful life. Replace it with a new one.
	→ Battery charging time is insufficient. Keep charging the battery until ⚡ appears.

Continued ⇩

Sound

Symptom	Case and/or corrective action
There is no sound. Noise is heard.	→ The volume level is set to zero. Turn the volume up (☞ page 30). → The headphone plug is not connected properly. Connect it to ∩(headphones)/LINE OUT jack securely (☞ page 29). → The headphone plug is dirty. Clean the headphone plug with a soft dry cloth. → No audio data is stored in the hard disk.
The volume does not increase	→ "AVLS" is set to "AVLS On." Set it to "AVLS Off" (☞ page 53).
There is no sound from the right channel of the headphones.	→ The headphone plug is not connected properly. Connect it to ∩(headphones)/LINE OUT jack securely (☞ page 29).
The volume cannot be adjusted.	→ "Audio Out" is set to "Line Out." Adjust the volume using the volume control on the connected device, or set "Audio Out" to "Headphone" (☞ page 53).
When using the player with a stereo system connected, the sound is distorted or noisy.	→ "Audio Out" is set to "Headphone." Set it to "Line Out" (☞ page 53).

Continued ⇩

Operation/Playback

Symptom	Case and/or corrective action
Buttons do not work.	→ The buttons are locked. Slide the HOLD switch back (☞ page 31). → Moisture condensation has occurred (Moisture may condense inside the player if the player is brought directly from a cold place to a warm place). Leave the player aside for a few hours until the moisture evaporates. → The remaining battery power is insufficient. Charge the battery (☞ page 13).
Playback has stopped suddenly.	→ The remaining battery power is insufficient. Charge the battery (☞ page 13). → When trying to play an MP3 audio track that cannot be played on this player, playback will stop. Press ⏭ to select other tracks (☞ page 30). → The player has been subjected to vibration for a long time. Stop the vibration and start playback again.
The backlight is not turned on.	→ "Backlight" is set to "Always Off." Set it to "10 sec" or "30 sec" (☞ page 53).
"□" is displayed for a title.	→ Characters that cannot be displayed on the player are involved. Use the SonicStage software to rename the title with appropriate.
The display turns off.	→ The display automatically turns off if there is no operation for about 30 seconds in stop mode when using the battery. When scrolling track titles, etc., the display turns off about 30 seconds after scrolling is finished. Also, the display turns off when pressing and holding ■. For all the cases, press any button to turn on the display again.

Continued ⇩

Connection with the computer/SonicStage

Symptom	Case and/or corrective action
The SonicStage software cannot be installed.	→ An operating system not compatible with the software is used (☞ page 16). → All Windows applications are not closed. If you start the installation while other programs are running, a malfunction may occur. This is especially true for programs that require large amounts of system resources, such as virus-check software. → There is not enough space on the hard disk of your computer. You need 200 MB or more free space. Delete the unnecessary files on your computer.
The installation appears to have stopped before it has finished.	→ Check for the appearance of an error message beneath the installation window. Press the “Tab” key while holding down the “Alt” key. If an error message has appeared, press the “Enter” key. The installation will resume. If there is no message, the installation is still in progress. Wait for a little while longer.
The progress bar on the display of your computer is not moving. The access lamp of your computer has not lit for a few minutes.	→ The installation is progressing normally. Please wait. The installation may take 30 minutes or more, depending on your CD drive or system environment.
SonicStage does not start up.	→ The system environment has been changed by updating Windows OS, etc. Consult your nearest Sony dealer.

Continued ⇩

Connection with the computer/SonicStage (continued)

"Connecting to PC" is not displayed when connecting to the computer with the USB cable.	→ Please wait for the authentication of the SonicStage software. → Another application is running on the computer. Wait for a while and reconnect the USB cable. If the problem persists, disconnect the USB cable, restart the computer, and then reconnect the USB cable. → The USB cable is not connected properly. Disconnect the USB cable and then reconnect it. → A USB hub is used. Connecting via a USB hub is not guaranteed. Connect the USB cable directly to the computer. → The installation of the SonicStage software had been failed. Disconnect the player and your computer, and then reinstall the software again using the supplied CD-ROM (☞ page 17). You will still be able to use audio data registered by the existing software. → The battery is running out. Charge the battery using the AC power adaptor.
The player is not recognized by the computer when it is connected to the computer.	→ The USB cable is not connected properly. Disconnect the USB cable and then reconnect it. → A USB hub is used. Connecting via a USB hub is not guaranteed. Connect the USB cable directly to the computer. → The driver file for the player has not been installed. Reinstall the SonicStage software for the player using the supplied CD-ROM (☞ page 17) to install the driver together. → The installation of the SonicStage software had been failed. Disconnect the player and your computer, and then reinstall the software again using the supplied CD-ROM (☞ page 17). You will still be able to use audio data registered by the existing software.

Continued ⇩

Connection with the computer/SonicStage (continued)

Audio data cannot be transferred to the player from your computer.	→ The USB cable is not connected properly. Disconnect the USB cable and then reconnect it. → The free space of the hard disk in the player is insufficient. Transfer back any unnecessary tracks to your computer to increase the free space (☞ page 27). → You have already transferred over 65,535 tracks or over 8,187 playlists to the hard disk of the player. Or you are trying to transfer a playlist that contains over 999 tracks for a playlist. → Tracks with a limited playing period or playing count may not be transferred due to restrictions set by copyright holders. For details on the settings of each audio file, contact the distributor. → The installation of the SonicStage software had been failed. Disconnect the player and your computer, and then reinstall the software again using the supplied CD-ROM (☞ page 17). You will still be able to use audio data registered by the existing software.
The number of tracks that can be transferred to the player is not much. (Available recording time is short.)	→ The free space in the hard disk of the player is not enough for the size of audio data you tried to transfer. Transfer back any unnecessary tracks to increase the free space (☞ page 27). → Data other than audio data is stored in the hard disk of the player. Move data other than audio data to the computer to increase the free space.
Audio data cannot be transferred back to your computer from the player.	→ A computer other than the one used for transfer to the player is selected as the transfer target. Audio data cannot be transferred back to a computer other than the one used for transfer to the player. → The audio data has been deleted from computer you used to transfer to the player. The audio data cannot be transferred back to your computer if the track is deleted from the computer used to transfer to the player.

Continued ⇩

Connection with the computer/SonicStage (continued)

Audio data is transferred back to your computer and remaining transferable count increases without operations occasionally when the player is connected to the computer.	➔ If a track is deleted from the player using the SonicStage software installed on a computer other than the one used for transfer to the player, the track will be transferred back automatically when the player is connected to the computer that you used for transfer to the player. Therefore, the remaining transferable count increases automatically.
The operation of the player becomes unstable while it is connected to the computer.	➔ A USB hub or USB extension cable is used. Connecting via a USB hub or USB extension is not guaranteed. Connect the USB cable directly to the computer.
“Failed to authenticate Device/Media.” is displayed on the computer screen when the player is connected to the computer.	➔ The player is not connected to the computer properly. Quit the SonicStage software and verify the connection of the USB cable. Restart the SonicStage software.

Continued ⇩

Others

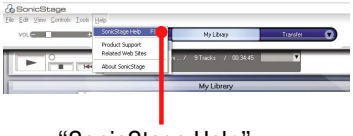
Symptom	Case and/or corrective action
There is no beep sound when the player is operated.	→ “Beep” is set to “Beep Off.” Set it to “Beep On” (☞ page 53).
The player gets warm.	→ The player may get warm when the battery is being charged and just after charging because of quick charge. Besides, the player may get warm when transferring a large number of tracks. Leave the player aside for a while.
The sound is heard from the inside of the player. The player shakes.	→ When the built-in hard disk of the player moves, the sound of operation may be heard, and the vibration of the player occurs. This is not a malfunction.

Using SonicStage Help

SonicStage Help provides further details on how to use SonicStage. SonicStage Help allows you to search easily for information from a list of operations, such as “Importing audio data” or “Transferring audio data,” or from large list of keywords, or by typing in words that might lead you to the appropriate explanations.

Click “Help” – “SonicStage Help” while SonicStage is running.

Help appears.
The player is explained as “ATRAC Audio Device” in SonicStage Help.

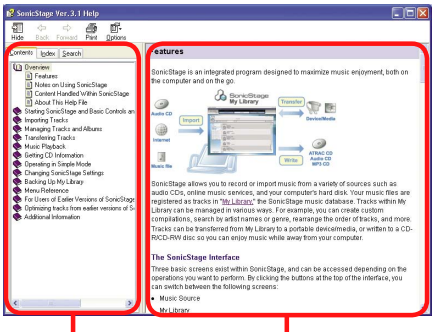


“SonicStage Help”

Notes

- In SonicStage Help, “Device/Media” is the general term for a Network Walkman or MD Walkman.
- Follow the instructions of your internet provider regarding such things as recommended system.

To understand SonicStage Help

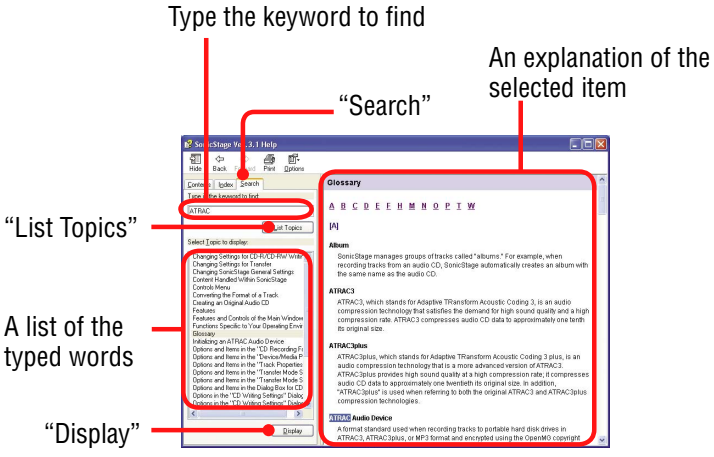


Left frame Right frame

1 Double click “Overview” in the left side frame of SonicStage Help.
2 Click “About This Help File.”
The explanation will appear in the right side frame.
Scroll the display if necessary. Click underlined words to jump to their explanations.

Continued ⇩

To search for a word inside an explanation



1 Click “Search.”
2 Type in the words.
3 Click “List Topics.”
A list of the typed words is displayed.
4 Click to select the desired item among those displayed.
5 Click “Display.”
An explanation of the selected item is displayed.

Error Messages

Follow the instructions below if an error message appears in the display.

Message	Meaning	Corrective action
AVLS NO VOLUME OPERATION	The volume exceeds the maximum volume of AVLS.	➔ Set “AVLS” to “AVLS Off” (☞ page 53).
ALL BOOKMARKED	You are trying to add a bookmark that have already been registered to all of the bookmark types.	➔ A track can be registered once only in each of Bookmark 1 to 5.
BATTERY IS MISSING	• You are trying to operate the player via the AC power adaptor connection without inserting the battery. • You removed the battery from the player while it was connected to a computer.	➔ Insert the battery when you connect the AC power adaptor to an AC outlet.
BOOKMARK FULL	The number of bookmarks exceeds the limit.	➔ Remove unnecessary bookmarks (☞ page 40).
CANCEL	Setup or operation is cancelled.	—
CANNOT EDIT BOOKMARK PLAYING	You are trying to edit a Bookmark during playback.	➔ You cannot edit Bookmarks during playback or stop mode.
CANNOT OPERATE STOP	“Initialize System” in the Options display is selected during playback.	➔ Stop playback and select “Initialize System” again.
CANNOT OPERATE WHEN STOPPED	You are trying to add a bookmark while the player is stopped.	➔ Add a bookmark during playback (☞ page 39).
CANNOT PLAY CONNECT TO PC	The clock in the player is not working.	➔ Connect to the computer (☞ page 24).
CANNOT PLAY TRACK ERROR	Audio data is broken.	➔ Transfer audio data to the player again (☞ page 24).

Continued ⇩

CANNOT PLAY TRACK ON THIS DEVICE	• The track is not permitted to be played back on the player. • The tracks with a limited playing count are playing.	→ You cannot play back tracks that are not permitted to be played back on the player.
CANNOT PLAY UNAVAILABLE FOR PLAYBACK	You are trying to play a track before or after its limited playing period.	→ Tracks with a limited playing time can only be played back within the designated playing period.
CANNOT UPDATE LOW BATTERY	The battery is insufficient while uploading the firmware.	→ Charge the battery fully and try to upload it again.
CHARGE 5°C – 35°C 41F – 95F	You are charging the player in an ambient temperature out of the 5 to 35°C (41 to 95ºF) range.	→ Charge in an ambient temperature of between 5 to 35°C (41 to 95ºF).
CLEAR BOOKMARK PLAYING	You are trying to clear a bookmarked track while it is being played back..	→ A bookmarked track can be cleared only when you try to clear the track from registered bookmark type by selecting it in the list of Playlist while the track is being played back.
CONNECT AC POWER ADAPTER	You have tried to update the firmware without using the AC power adaptor.	→ Connect the AC power adaptor to the player (☞ page 13).
ERROR: CANNOT BOOKMARK	A track cannot be add to Bookmark due to some error.	→ Try to add the track to Bookmark again.
ERROR: CANNOT CLEAR	A bookmark cannot be cleared due to some error.	→ Try to clear the bookmark again.
FAILED TO CREATE DATABASE	A data base cannot be created.	→ Wait for a while. The data base being updated.
HARD DISK WRITABLE 5°C – 35°C	You are transferring the audio data to the player in an ambient temperature out of the 5 to 35°C (41 to 95ºF) range.	→ Operate in an ambient temperature of between 5 to 35°C (41 to 95ºF).

Continued ⇩

HDD NOT INITIALIZED CORRECTLY	• The hard disk of the player is not correctly initialized. • The hard disk of the player was initialized on the computer. • The hard disk of the player has not been initialized because it was changed.	→ Initialize the hard disk of the player again (☞ page 62).
HOLD	The HOLD switch is set to ON.	→ Unlock the controls by sliding the HOLD switch in the direction opposite to that of the arrow (☞ page 31).
LINE OUT NO OPERATION	When "Audio Out" is set to "Line Out," you are trying to change the volume or the setting of "Sound."	→ Set "Audio Out" to "Headphone" (☞ page 53).
LOW BATTERY	There is no remaining battery power.	→ Charge the battery (☞ page 13).
MAX NO OF GROUPS EXCEEDED	The number of groups (albums, artists, etc.) exceeds the limit (8,192).	→ The total number of items in the Find display (except track list) exceeds 8,192. Transfer any unnecessary tracks back to My Library on SonicStage (☞ page 27).
MISMATCH IN SYSTEM FILES	There is mismatch in the system files.	→ Initialize the hard disk of the player (☞ page 62) and transfer audio data to the player again (☞ page 24).
NO DATABASE FOUND	When disconnecting from the computer, there are no tracks transferred to the player, or there is lack of information.	→ Connect the player to the computer again, and then disconnect it. → Transfer audio data to the player (☞ page 24).
NO TRACK	There are no tracks in the track list.	→ Go to a track list with tracks. → Transfer audio data to the player (☞ page 24).

Continued ⇩

SYSTEM ERROR <No.***> (Number appears in parenthesis.)	There is a system error.	➔ Write down the number and consult your nearest Sony dealer.

Specifications

Maximum recordable number of track (Approx.)*

NW-HD5:

ATRAC3	ATRAC3plus	MP3
5,000 (132 kbps)	2,500 (256 kbps)	5,000 (128 kbps)
6,000 (105 kbps)	10,000 (64 kbps)	10,000 (64 kbps)
10,000 (66 kbps)	13,000 (48 kbps)	

NW-HD5H:

ATRAC3	ATRAC3plus	MP3
7,500 (132 kbps)	3,500 (256 kbps)	7,500 (128 kbps)
9,000 (105 kbps)	15,000 (64 kbps)	15,000 (64 kbps)
15,000 (66 kbps)	20,000 (48 kbps)	

* When transferring four-minute tracks

Sampling frequency

44.1 kHz (ATRAC3plus), 32/44.1/48 kHz (MP3)

Audio compression technology

Adaptive Transform Acoustic Coding3plus (ATRAC3plus)
MPEG-1 Audio Layer-3 (MP3)

Frequency response

20 to 20,000 Hz (single signal measurement during playback)

Output

🎧 (headphones)/LINE OUT*:
Stereo minijack/180 mV

* The jack is used for both headphones and LINE OUT.

Operating temperature

5 to 35ºC (41 to 95ºF)

Continued ⇩

Power source

Rechargeable lithium-ion battery: LIP-880PD, 3.7V, 880 mAh, Li-ion
AC power adaptor: DC IN 6 V

Battery life (continuous playback)

ATRAC3plus format (48 kbps): Approx. 40 hours
MP3 format (128 kbps): Approx. 30 hours

Dimension

Not including projecting parts:
Approx. 59.9 × 88.7 × 14.2 mm
(2 3/8 × 3 1/2 × 1/2 inches) (w/h/d)

Including projecting parts:

Approx. 59.9 × 89.3 × 14.5 mm
(2 3/8× 3 1/2 × 5/8 inches) (w/h/d)

Mass

Approx. 135 g (4.82 oz)

Design and specifications are subject to change without notice.

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